

TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371

ATTORNEY DOCKET NUMBER

4358-4000

U.S. APPLICATION NO. (If known, see 37 CFR 1.51)

10/049801

INTERNATIONAL APPLICATION NO.  
PCT/BR00/00075

INTERNATIONAL FILING DATE  
12 July 00 (12.07.00)

EARLIEST PRIORITY DATE CLAIMED  
19 August 99 (19.08.99)

TITLE OF INVENTION  
VISUAL SENSITIVE SUPPORT OF CALENDARS

APPLICANT(S) FOR DO/EO/US  
GRAZZIOTIN, Fernando, Alberto  
GRAZZIOTIN, Ricardo, Moacyr

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☒ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and 21 indicated below.
4. ☒ The US has been elected by the expiration of 19 months from the priority date (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
  - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
  - b. ☒ has been communicated by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ An English language translation of the International application as filed (35 U.S.C. 371(c)(2)).
  - a. ☐ is attached hereto.
  - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
  - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
  - b. ☒ have been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☐ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☐ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11. to 16. below concern document(s) or information included:

11. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98, PTO 1449, with copies of all cited references.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☒ A FIRST preliminary amendment.
14. ☐ A SECOND or SUBSEQUENT preliminary amendment.
15. ☐ A substitute specification.
16. ☐ A change of power of attorney and/or address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 154(d)(2) with copy of Statement Under 37 CFR Section 1.821(f) and WIPO Standard ST.25 as filed with the International Bureau of WIPO.
18. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).

10/049801

APPLICATION NO. (if known, see 37 C.F.R. 1.51)

INTERNATIONAL APPLICATION NO.

ATTORNEY'S DOCKET NO.

TBA

PCT/BR00/00075

**JC13 Rec'd PCT/PTO**

4358-4000

**15 FEB 2002**

20. ☒ Other items or information:

Copy of published PCT/US00/00075 with search report, International Publication Number WO 01/15121 A1;

Notification of Transmittal of the International Preliminary Examination Report with International Preliminary Search Report (Form PCT/IPEA/409);

U.S. APPLICATION NO. (if known, see 37 C.F.R. 1.51) <b>10/049801</b>		INTERNATIONAL APPLICATION NO. PCT/BR00/00075		ATTORNEY'S DOCKET NUMBER 4358-4000	
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21. <input checked="" type="checkbox"/> The following fees are submitted: <b>BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5) ):</b> Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2) paid to USPTO and International Search Report not prepared by the EPO or JPO ..... \$1040.00  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO ..... \$890.00  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2) paid to USPTO... \$740.00  International preliminary examination fee paid to USPTO (37 CFR 1.482) but all claims did not satisfy provisions of PCT Article 33 (1) - (4)..... \$690.00  International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(1) - (4) ..... \$100.00  <b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b>				<b>CALCULATIONS</b> PTO USE ONLY	
				\$1,040.00	
Surcharge of \$130 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(c)).					
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	10-20 =	0	X \$18.00	\$ - 0 -	
Independent claims	3-3 =	0	X \$84.00	\$ - 0 -	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$280.00	\$ - -	
<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$ 1,040.00	
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 C.F.R. 1.27. The fees indicated above are reduced by 1/2.				\$	
<b>SUBTOTAL =</b>				\$520.00	
Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				\$	
<b>TOTAL NATIONAL FEE =</b>				\$	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31).     \$40.00 per property X =				\$	
<b>TOTAL FEES ENCLOSED =</b>				\$ 520.00	
				Amount to be refunded:	\$
				charged:	\$

a. ☒ A check in the amount of \$ 520 .00 to cover the above fees is enclosed.

b. ☐ Please charge my Deposit Account No. 13-4500, ORDER NO. \_\_\_\_\_ in the amount of \$ .00 to cover the above fees.

c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any  
 overpayment to Deposit Account No. 13-4500, ORDER NO. 4358-4000. **A duplicate copy of this sheet is enclosed.**

d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. **Credit card  
 information should not be included on this form.** Provide credit card information and authorization on PTO-2038.

**NOTE:** Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR  
 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

Morgan & Finnegan LLP  
 345 Park Avenue  
 New York, NY 10154-0053  
 Telephone: 212-758-4800  
 Telecopier: 212-751-6849

Signature \_\_\_\_\_

Walter G. Hanchuk

Registration No.: 35,179

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant(s) : Fernando Alberto Grazziotin  
Ricardo Moacyr Grazziotin

Group Art Unit: TBA  
Examiner: TBA

International Application No.: PCT/BR00/00075

Serial No : TBA

Filed : February 15, 2002

For : Visual Sensitive Support of Calendars

**PRELIMINARY AMENDMENT**

**COMMISSIONER OF PATENTS**  
**Washington, D.C. 20231**

Sir:

Please amend the above-referenced application as follows:

**IN THE CLAIMS:**

Please amend claim 7 as follows:

7. (Amended) Visual sensitive support of calendars with the numbers 1-8-15-22-29 or symbols that represent them in agreement with claim 1, characterized by presenting the numbers 1-8-15-22-29 or symbols that represent them, close to illustrations or objects that are not a traditional calendar and they can be used as calendar or serve as support for other calendars.

**AUTHORIZATION**

If the Commissioner determines that an additional fee is due, or an additional

PATENT

Docket No.: 4358-4000

extension of time required, applicant petitions for the extension of time, and authorizes the Commissioner to charge any required fee, or credit any overage, to deposit account 13-4500, Order No. 4358-4000. A duplicate of this sheet is included.

Respectfully submitted,  
MORGAN & FINNEGAN, L.L.P.

By: 

Walter G. Hanchuk  
Reg. No.: 35,179

Date: February 15, 2002

MORGAN & FINNEGAN, L.L.P.  
345 Park Avenue  
New York, NY 10154  
(212)758-4800 / (212)751-6849 (facsimile)

APPENDIX

7. (Amended) Visual sensitive support of calendars with the numbers 1-8-15-22-29 or symbols that represent them in agreement with claim 1 [and/or 2], characterized by presenting the numbers 1-8-15-22-29 or symbols that represent them, close to illustrations or objects that are not a traditional calendar and they can be used as calendar or serve as support for other calendars.

## VISUAL SENSITIVE SUPPORT OF CALENDARS

This present invention refers to an element that starts to do part of the composition of calendars. It is applicable to the calendars of dates, as the Gregorian, the Egyptian, and the Israeli, among others.

5 The previous calendars usually form a structure in form of tables with identifiers characters of days of the month and days of the week, disposed in lines and columns, where leaving of the day of the month, it is followed in the sense of the line or of the column to be located the day of the week, or leaving of the day of the week, it is followed in the sense of the line or of the column to be located the  
10 day of the month.

In general each table corresponds to an only month of the year, but there are also calendars where an only table corresponds to all year. In this last case there is just an only group of days of the month.

15 The previous calendars, commonly, come accompanied by objects, illustrations and advertisements being noticed what evidently is calendar.

It is difficult to integrate the previous calendars to an illustration or an object without the calendar gets plenty attention for itself, usually taking the characteristic or harming, the aesthetics of the due group to great amount of characters (numbers or letters) that composes the calendar. Also, for the same  
20 reason, it is practically unviable to join, so that it is visibly readable, a traditional calendar with twelve months in a small area that fits in a ring, in a button, in a small coin, in a pen cover, for instance.

Nowadays, the smallest printed calendar or object that we can imagine, it still occupies a lot of space and it is very difficult to use it jointly with some product  
25 of reduced size without interfering excessively in the group.

Besides, every year the printed calendars lose their usefulness because they cannot be used the following year. And that implicates in an enormous amount of material thrown away.

30 The present invention has the aim of solving the mentioned problems such as: to allow the reduction of necessary space to the calendars and/or the change of the appearance of the same ones integrating them the illustrations, objects,

advertisements that accompany becoming them more present in a subtle way making possible in many cases, that the shape/object has subsequent usefulness at the end of the calendar.

The solution proposed by the present invention is the definition of areas<sup>o</sup> that start to constitute in calendar elements and support for other elements of the same. The sum of the areas constitutes the support for the other elements, that associated to these ones, they supply the information of calendar.

The mentioned areas can be shapes/objects or parts of shapes/objects.

Each element area can correspond to a day of the week and to it is associated elements that correspond to a/some day(s), with preference the first, the eighth, the fifteen, the twenty-second and the twenty-ninth of each month.

Or, each element area can correspond to one month and to it is associated an element that corresponds to the day of the week corresponding to a/some day(s), with preference the first, the eighth, the fifteen, the twenty-second and the twenty-ninth of that month.

This way, considering that the support becomes integral part of the calendar, with other elements distributed according to the defined areas, we have a coincidence of areas among the definer elements of days of the week and days of the month, there is no way to go through from the day of the month to the day of the week or from the day of the week to the day of the month.

The disposition of seven areas, one for each day of the week, in sequential order can serve as an instrument to be traveled for obtaining of the other days non informed more directly.

For instance, if in an area that means Tuesday it is inserted an element that means first, eighth, fifteen, twenty-second and twenty-ninth day(s), we can count twenty-two in the area of Tuesday, twenty-three in the area of Wednesday, twenty-four in the area of Thursday, and so forth, until we get to the wanted day; it's getting to this, we observe which area stopped the count and we have the day of the corresponding week.

Still considering that constituted instrument of seven areas, if we want to know how many days the respective month has, in the case of the Gregorian



calendar, it is enough we make the count starting from the definer element of the month in subject, considering this as twenty-nine and following the count even before getting to the definer element of the following month; the last count will correspond to the last day of the month. If the same area comprises the definer element of the month in subject and the definer element of the following month, for obvious it doesn't exist the twenty-nine in the month in subject.

Considering the infinite alternatives of definitions of areas the calendar constituted like this can be of common use, identified as such for anybody that has previous knowledge of the definition of areas, as it can be used in a personal way, for the definition of the elements areas and of the other complementary elements in agreement with the symbolic universe wanted by the users; it could arrive to the point that, before a picture that presents a landscape, for instance, the solicitor and his supplier only know immediately that they are before a calendar. It is possible, therefore, harmonize the calendar with the environment and maintain it even after the passage of the last day of the calendar in subject.

It becomes possible to integrate the calendar, visible with the naked eye, to a ring, to a small coin, the a shirt button, to a credit card, to an industry mark, trade or service, to a advertisement and infinites other objects/shapes.

If we have in mind that the day of the week of the first, eighth, fifteen, twenty-two and twenty-nine of every month are always equal, when visualizing the calendar, it is possible to obtain the day of the week of the days of the year in an interval of one to ten seconds, even for initial users, according to the ability of each one. Therefore the speed of obtaining of the information can be faster than the one of the previous calendars.

It allows to be obtained the information of the calendar in a more natural way. The user comes across different styles of calendar, stimulating the intellect in a pleasant way, very different from the table structures.

The enclosed drawings show some of the applications of the present invention:

The fig. 1 displays the human hand divided in seven areas (1) (2) (3) (4) (5) (6) (7), each one representative of a day of the week; and the areas of the fingers

represent the days of the week, so that the one of the thumb (2) corresponds Monday, the one of the indicator (3) corresponds Tuesday, the one of the middle finger (4) corresponds Wednesday, the one of the ring (5) corresponds Thursday and the one of the minimum finger (6) corresponds Friday; the central area of the hand comes divided in two areas, so that the base of the thumb (1) corresponds to Sunday and the base of the other fingers (7) corresponds on Saturday;

The fig. 2 displays a variant of the illustration 1 with twelve rectangles where representative characters/symbols of the twelve months of the year of 1999, will be inserted January (11), February (12), March (13), April (14), May (15), June (16), July (17), August (18), September (19), October (20), November (21), December (22), distributed in the seven areas in agreement with the day of the week of the first, eighth, fifteen, twenty-two and twenty-nine of each month; the characters/symbols can be, for instance January, February, March, April, May, June, July, August, September, October, November, December.

The fig. 3 displays other variant of the illustration 1; in this case for the positions in that the rectangles are distributed where representative characters/symbols of the twelve months of the year of 1999 will be inserted although don't appear the limits among areas, it is implicit, to whom is already user of the new technology that the support is composed of seven associated areas the human hand;

The fig. 4 also displays a variant of the illustration 1; in this case, twelve animals, each one representing one of the twelve months of the year of 1999 are distributed in seven groups, as background a landscape that in a subtle way presents, in some lines a linking with areas of the human hand; in the inferior part for the sequential position in that they present the same twelve animals, it identifies which month represents each one;

The fig. 5 introduces a similar form of a clock where twelve representative areas of the months of the year coincide with the respective positions of the hours and shows twelve rectangles where symbols/characters will be inserted, identifiers of the days of the week - Sunday

(31), Monday (32), Tuesday (33), Wednesday (34), Thursday (35), Friday (36), Saturday (37) – of the first, eighth, fifteen, twenty-two and twenty-nine days of each one of the months of 1999, positioned one in each one of the areas corresponding to the respective month; the symbols/characters can be, for instance Sun, Mon, Tues, Wed, Thurs, Fri, Sat.

The fig. 6 displays a variant of the illustration 5, where the areas of the positions of hour of one to seven, in the external part, present seven circumferences that can be colored, for example, Sunday/yellow (41), Monday/red (42), Tuesday/blue (43), Wednesday/green (44), Thursday/purple (45), Friday/black (46), Saturday/orange (47); and the areas of the positions of hour of one to twelve, in the internal part represent the months of the year of 1999, each one in agreement with the color corresponding to the day of the week of the first, eighth, fifteen, twenty-two and twenty-nine of every month.

Among the several ways of executing to present invention, we consider that the best is to constitute the support based on seven associated areas the human hand, because this is knowledge of all, facilitating the common use; it is asymmetric, avoiding confusion among areas and, also, because as the elements areas, when visualized with explicitness, as the groups of elements disposed in the seven areas, they can supply instantly the days of the week of the days one, eight, fifteen, twenty-two and twenty-nine and, still, to serve as instrument for the obtaining of the days of the week of the other days, being enough to travel the areas, starting the counting from one of the known closer days of wanted day.

However as in some cases the objective is to reduce still more the size of the calendar in order to integrate it to a ring, for instance, where we could visualize it with the naked eye, we consider that the best way is constituting the support based on twelve associated areas the positions of hour of a clock in its internal part, more seven associated areas the first seven positions of hour of the same clock in the external part, this for inscribing the days of the week, the other to present, according to legend, the days of the week of the days one, eight, fifteen, twenty-two and twenty-nine of every month.

The ways which the invention can be explored comprise, besides those in

that nowadays the current calendars of dates are explored, countless other, mainly because they can be in a quite reduced size and for the flexibility aesthetic.

The invention can be joined practically, any illustration or object, enlarging the usefulness of the same ones. For instance: credit card, phone card, presentation card, gloves, toys, little key keeper, gifts in general, ring, button of clothes, bracelet, pendants, pens, pencil, rulers, cases, notebooks, blocks, calendars, medals, trophies, etc.

It can be used in stamps and commemorative coins of special dates; for instance, a stamp, or coin of the 500 years of the discovery of Brazil with the calendar of the year of 1500, with symbols that have relationship with the discovery, and jointly the calendar of the year 2000, with symbols related with Brazil now.

Personalized calendars/objects can be mounted for instance, for a builder to distribute for his customers, a calendars/objects, that can be used as weight for papers, in a format where five buildings more two areas of common use to the same ones are associated to seven areas of the human hand. For an industry of sodas instead of the format with buildings, it can be with bottles or cans.

Personalized calendars can be supplied using relatives' pictures, friends or other chosen images as symbols to being disposed on defined areas in an environment chosen for the same, in such a way that the user and the supplier will know that the picture or object is a calendar.

Pictures can be marketed with paintings comprising an implicit base of calendar without appearance of this, in such a way that the same maintains its ornamental value even if it finishes the period embraced as calendar.

They can also be marketed, besides pictures, other objects with several symbols in each representative area of the days of the week or months of the year in such a way that for the same illustration jig/legends can be supplied for several years, then it will be enough to see the legend or change the form that can be of reduced size, and the painting or object will continue serving as calendar.

Didactic games can be created with several levels of difficulty. For

instance, in the illustration it can have a jungle that corresponds to the elements areas and several animals that symbolize the other elements of the calendar, in such a way that some will easily be able to be found and other only with a lot of perception, then the forms of every year can be composed of months whose symbols, animals, are easier or more difficult of being found, so that two or more people can compete to see who discovers the requested dates first. Still, it can have option of form only with mammals, or reptiles, to facilitate the learning of the differentiation among them. It can also have inspired calendars in historical facts and they are requested the corresponding dates in letters whose answers are in the verse of the same ones, for instance.

# **CLAIMS:**

1) VISUAL SENSITIVE SUPPORT OF CALENDARS WITH AREAS  
DAYS OF THE WEEK, applicable to the calendars of dates, as the Gregorian, the  
Egyptian, and the Israeli, among others, characterized by presenting seven areas  
5 (1) (2) (3) (4) (5) (6) (7), explicit or implicitly perceptible, each one of them  
representing one of the days of the week and they have on each one of them,  
inserted or associated, characters, symbols, colors, sounds, objects or others  
elements (11) (12) (13) (14) (15) (16) (17) (18) (19) (20) (21) (22) which represent  
the month (s) that initiate in the same day of the week whose respective area is  
10 representing, so that, following the sequential order of the seven areas, just with  
these data, it's possible to know the days of the week of the others days.

2) VISUAL SENSITIVE SUPPORT OF CALENDARS WITH  
MONTHS AREAS OF THE YEAR IN POSITIONS OF HOUR", characterized by  
presenting, explicit or implicitly, a format which makes possible the association of  
15 the positions of the hours of a clock to the respective months of the year and,  
simultaneously, by presenting, about each position of hour, inserted or  
associated, characters, symbols, colors, sounds, objects or others elements that  
represent the day of the week of the first day of each month, being the day of the  
week of the first day of the first month of the year in the position of the hour one,  
20 the day of the week of the first day of the second month of the year in the position  
of the hour two, and so forth.

3) VISUAL SENSITIVE SUPPORT OF CALENDARS WITH  
FORMAT THAT MAKES POSSIBLE THE ASSOCIATION OF THE POSITIONS  
OF THE FIRST SEVEN HOURS OF A CLOCK TO THE DAYS OF THE WEEK in  
25 agreement with claim 1, characterized by being a base for calendar with a same  
or similar form to the total or partially form of the clock, stylized or not, and for  
possessing representative areas of the days of the week, where each one of the  
points that indicate the first seven hours belong or they are associated to an  
internal area or externals representative of the day of the week whose the order  
30 number coincides with the number of the hour in that point, so that on each area  
can be inserted or associated, symbols, colors, characters, objects or other

elements that can represent the month or the months of the year that have a certain day, with preference the first, eighth, fifteenth, twenty-two and twenty-nine, that combines in the day of the week represented by the area on which the representative elements of the months are inserted or associated.

5                   4) VISUAL SENSITIVE SUPPORT OF CALENDARS WITH DERIVED FORMAT OF THE HUMAN HAND WITH SEVEN ASSOCIATED AREAS TO THE SEVEN DAYS OF THE WEEK in agreement with claim 1; characterized by being a base for calendar with stylized form or not, with derived shape of the human hand, possessor of seven representative areas of the days of  
10 the week on which can be inserted or associated, symbols, colors, characters, objects or other elements that represent or can represent the month or the months of the year that have a certain day, with preference the first, eighth, fifteenth, twenty-two and twenty-nine, that combines in the day of the week represented by the area on which the representative elements of the months are inserted or  
15 associated.

                  5) VISUAL SENSITIVE SUPPORT OF CALENDARS IN SAME OR SIMILAR FORMAT TO THE SUN in agreement with claim 2, characterized by the similar form to the sun with areas associating positions of hours of a clock with ray of the sun.

20                   6) VISUAL SENSITIVE SUPPORT OF CALENDARS WITH SYMBOLS OF THE HOROSCOPE DISTRIBUTED IN SEVEN AREAS, in agreement with the claim 1, characterized by presenting each symbol of the horoscope corresponding to the first day of each month, on the representative area of the day of the week that coincides with the day of the week of the first day  
25 of the respective month.

                  7)) VISUAL SENSITIVE SUPPORT OF CALENDARS WITH THE NUMBERS 1-8-15-22-29 OR SYMBOLS THAT REPRESENT THEM in agreement with claim 1 and/or 2, characterized by presenting the numbers 1-8-15-22-29 or symbols that represent them, close to illustrations or objects that are not a  
30 traditional calendar and they can be used as calendar or serve as support for other calendars.

8) VISUAL SENSITIVE SUPPORT OF CALENDARS WITH THE DAYS OF THE WEEK REPRESENTED BY THE SEVEN MUSICAL NOTES, in agreement with claim 1, characterized by using the representative symbols or tones of the seven musical notes to identify the days of the week.

9) VISUAL SENSITIVE SUPPORT OF CALENDARS WITH AREAS OF THE MONTHS OF THE YEAR AND AREAS OF THE DAYS OF THE WEEK in agreement with claim 2, characterized by presenting still the seven different (41) (42) (43) (44) (45) (46) (47) characters, symbols, colors, sounds, objects or other elements that represent each one of the days of the week disposed in a group of seven areas, also in agreement with the positions of hour of the clock, however in the external or internal part in relation to the month areas, with the element which represents the first day of the week in the position of hour one, the element which represents the second day of the week in the position of hour two, and so forth.

10) VISUAL SENSITIVE SUPPORT OF CALENDARS SEQUENTIAL OF THE DAYS OF THE WEEK OF THE FIRST DAY OF EVERY MONTH, characterized by presenting the simple sequence of characters, symbols, colors, sounds, or other elements that represent the days of the week of the first day of every month of the year (s), in growing order of the months, joined to objects as pens, rulers, rings, coins, etc., becoming possible the use of these objects also as calendar because each element of the sequence is in an area considered month area.



(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization  
International Bureau



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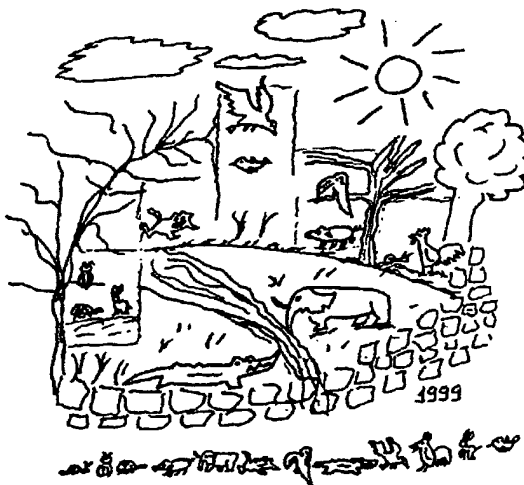
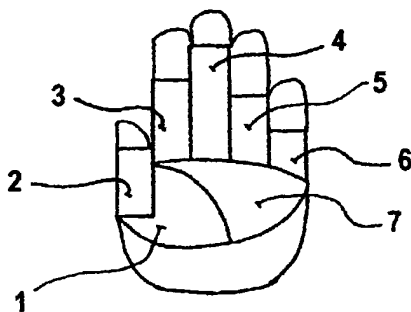
PCT

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PI 9903636-3 19 August 1999 (19.08.1999) BR
- (71) Applicants and  
(72) Inventors: **GRAZZIOTIN, Fernando, Alberto** [BR/BR]; Rua Francisco Alves, 396, Vila Rodrigues, CEP-99070-130 Passo Fundo, RS (BR). **GRAZZIOTIN, Ricardo, Moacyr** [BR/BR]; Rua Paissandu, 1411/401, Centro, CEP-99010-101 Passo Fundo, RS (BR).
- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).
- Published:**  
— with international search report  
— with amended claims

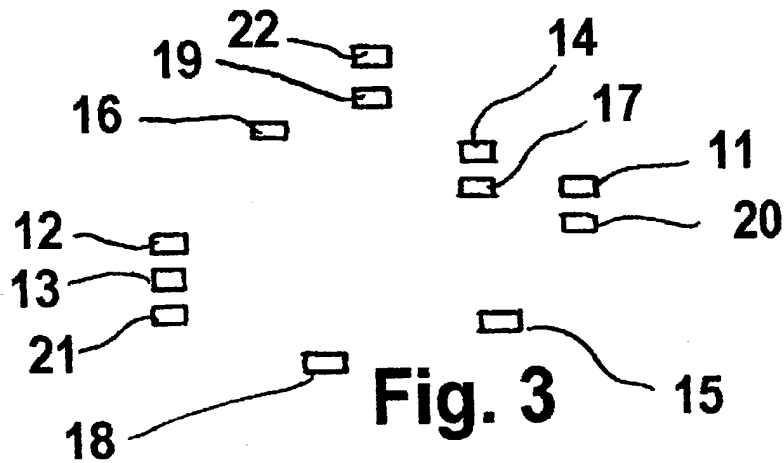
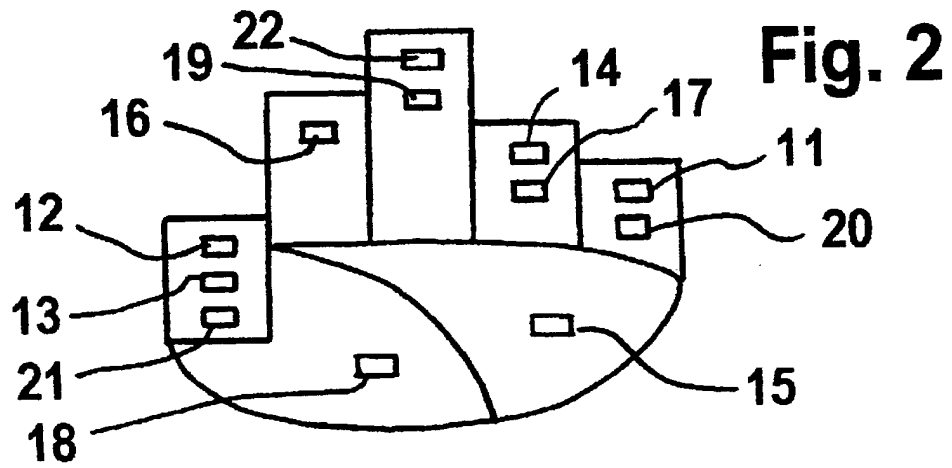
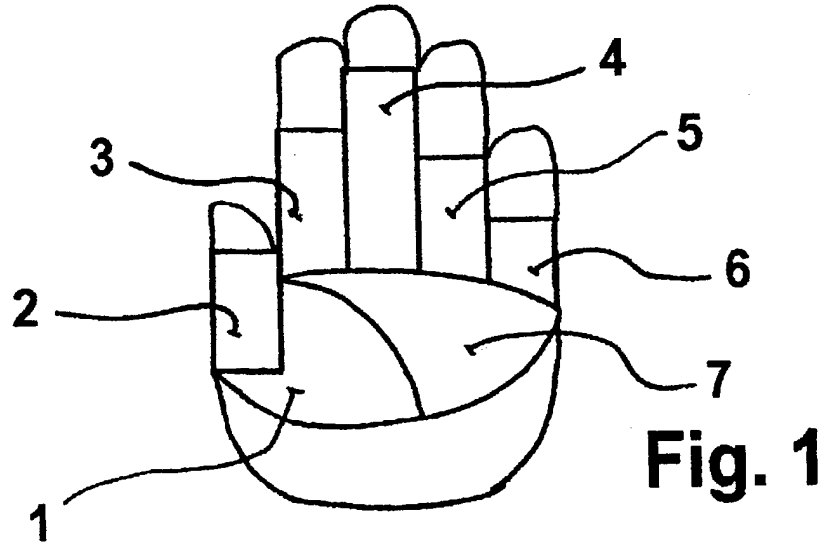
[Continued on next page]

(54) Title: VISUAL SENSITIVE SUPPORT OF CALENDARS



(57) Abstract: The present invention refers to an element that will become part of the composition of a calendar with the aim of integrating the calendar into objects or illustrations. It is applicable to the calendars of dates. The proposed solution is a definition of areas (1-7) that will constitute themselves as elements of the calendar, the sum of the areas (1-7) constituting the support for the other elements being associated therewith. The disposition of seven areas (1-7), one for each day of the week, in sequential order allows the reduction of necessary space and/or the change of the appearance of the calendar, allows integrating the calendar into illustrations, objects or advertisements, the calendar thus being fitted to a ring, to a small coin, to a pen, to a shirt button, to a credit card, to an industry mark, trade or service, to an advertisement to a landscape in a picture, to a toy and other objects in a personalised way.

WO 01/15121 A1



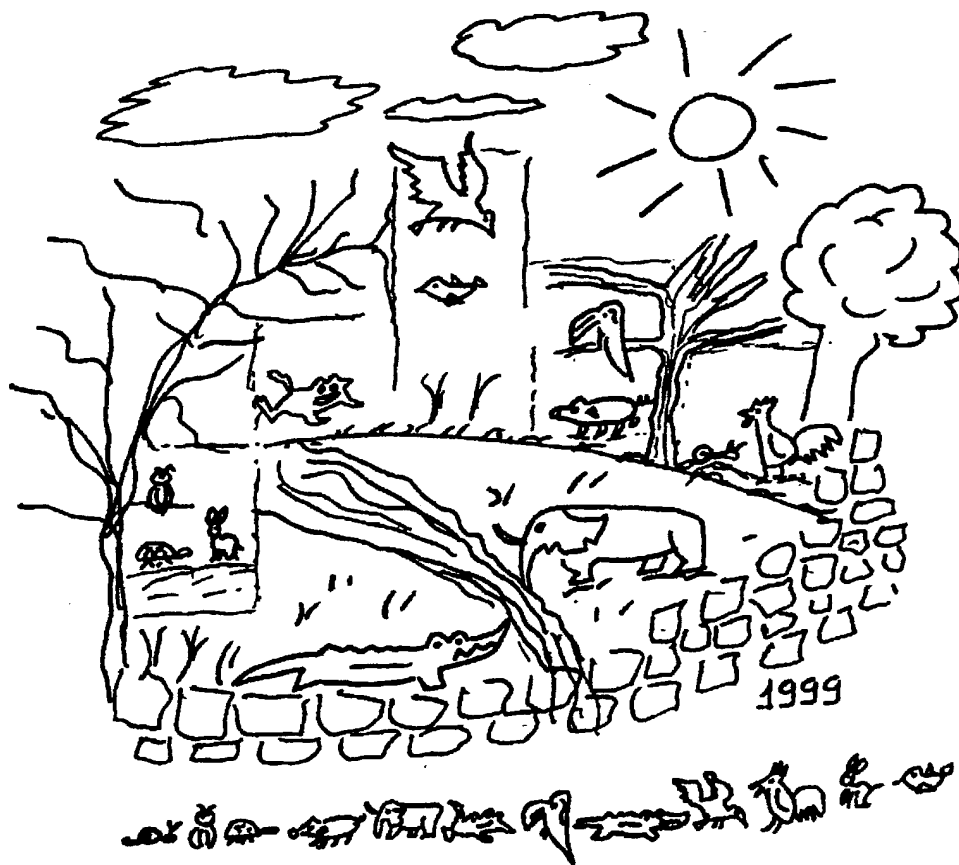


Fig. 4

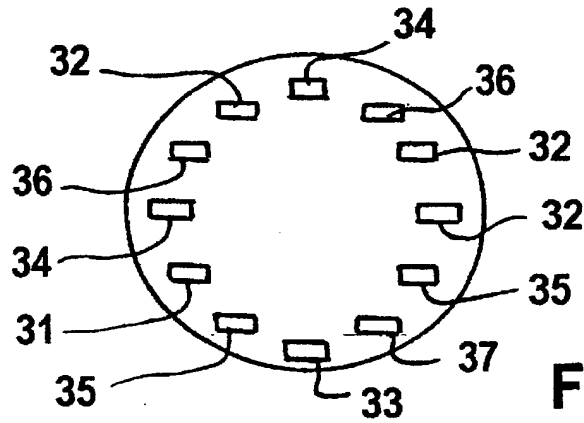


Fig. 5

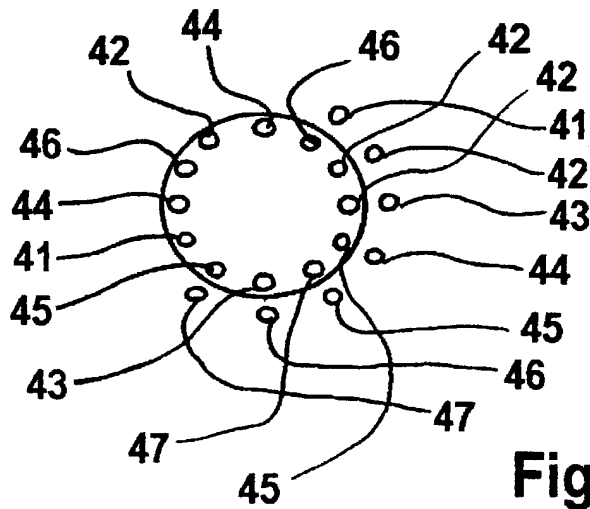


Fig. 6



Docket No. 4358-4000

**COMBINED DECLARATION AND POWER OF ATTORNEY FOR  
ORIGINAL, DESIGN, NATIONAL STAGE OF PCT, SUPPLEMENTAL,  
DIVISIONAL, CONTINUATION OR CONTINUATION-IN-PART APPLICATION**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Visual Sensitive Support of Calendars

the specification of which

- a. ☐ is attached hereto
- b. ☒ was filed on 2/15/2002 as application Serial No. 10/049,801 and was amended on . (if applicable).

**PCT FILED APPLICATION ENTERING NATIONAL STAGE**

- c. ☒ was described and claimed in International Application No. PCT/BR00/00075 filed on July 12, 2000 and as amended on . (if any).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56.

I hereby specify the following as the correspondence address to which all communications about this application are to be directed:

**SEND CORRESPONDENCE TO:**

- ☒ Bar Code label attached (see right)
- ☐ Address Shown (see below)

MORGAN & FINNEGAN, L.L.P.  
345 Park Avenue  
New York, N.Y. 10154

**DIRECT TELEPHONE CALLS TO:**



**27123**

PATENT TRADEMARK OFFICE

↑ AFFIX CUSTOMER NO. LABEL ABOVE ↑

212-415-8713

☐ I hereby claim foreign priority benefits under Title 35, United States Code § 119 (a)-(d) or under § 365(b) of any foreign application(s) for patent or inventor's certificate or under § 365(a) of any PCT international application(s) designating at least one country other than the U.S. listed below and also have identified below such foreign application(s) for patent or inventor's certificate or such PCT international application(s) filed by me on the same subject matter having a filing date within twelve (12) months before that of the application on which priority is claimed:

☐ The attached 35 U.S.C. § 119 claim for priority for the application(s) listed below forms a part of this declaration.

Country/PCT	Application Number	Date of filing (day, month, yr)	Date of issue (day, month, yr)	Priority Claimed
				<input type="checkbox"/> Y <input type="checkbox"/> N
				<input type="checkbox"/> Y <input type="checkbox"/> N
				<input type="checkbox"/> Y <input type="checkbox"/> N

☐ I hereby claim the benefit under 35 U.S.C. § 119(e) of any U.S. provisional application(s) listed below.

Provisional Application No.	Date of filing (day, month, yr)

**ADDITIONAL STATEMENTS FOR DIVISIONAL, CONTINUATION OR CONTINUATION-IN-PART OR PCT INTERNATIONAL APPLICATION(S) DESIGNATING THE U.S.)**

I hereby claim the benefit under Title 35, United States Code § 120 of any United States application(s) or under § 365(c) of any PCT international application(s) designating the U.S. listed below.

PCT/BR00/00075	July 12, 2000	pending
US/PCT Application Serial No.	Filing Date	Status (patented, pending, abandoned)/ U.S. application no. assigned (For PCT)

US/PCT Application Serial No.	Filing Date	Status (patented, pending, abandoned)/ U.S. application no. assigned (For PCT)
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☐ In this continuation-in-part application, insofar as the subject matter of any of the claims of this application is not disclosed in the above listed prior United States or PCT international application(s) in the manner provided by the first paragraph of Title 35, United States Code, §

112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or Imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby appoint the following attorneys and/or agents with full power of substitution and revocation, to prosecute this application, to receive the patent, and to transact all business in the Patent and Trademark Office connected therewith: David H. Pfeffer (Reg. No. 19,825), Harry C. Marcus (Reg. No. 22,390), Robert E. Paulson (Reg. No. 21,046), Stephen R. Smith (Reg. No. 22,615), Kurt E. Richter (Reg. No. 24,052), J. Robert Dailey (Reg. No. 27,434), Eugene Moroz (Reg. No. 25,237), John F. Sweeney (Reg. No. 27,471), Arnold I. Rady (Reg. No. 26,601), Christopher A. Hughes (Reg. No. 26,914), William S. Feiler (Reg. No. 26,728), Joseph A. Calvaruso (Reg. No. 28,287), James W. Gould (Reg. No. 28,859), Richard C. Komson (Reg. No. 27,913), Israel Blum (Reg. No. 26,710), Bartholomew Verdirame (Reg. No. 28,483), Maria C.H. Lin (Reg. No. 29,323), Joseph A. DeGirolamo (Reg. No. 28,595), Michael P. Dougherty (Reg. No. 32,730), Seth J. Atlas (Reg. No. 32,454), Andrew M. Riddles (Reg. No. 31,657), Bruce D. DeRenzi (Reg. No. 33,676), Mark J. Abate (Reg. No. 32,527), John T. Gallagher (Reg. No. 35,516), Steven F. Meyer (Reg. No. 35,613), Kenneth H. Sonnenfeld (Reg. No. 33,285), Tony V. Pezzano (Reg. No. 38,271), Andrea L. Wayda (Reg. No. 43,979), Walter G. Hanchuk (Reg. No. 35,179), John W. Osborne (Reg. No. 36,231), Robert K. Goethals (Reg. No. 36,813), Peter N. Fill (Reg. No. 38,876), Mary J. Morry (Reg. No. 34,398) and Kenneth S. Weitzman (Reg. No. 36,306) of Morgan & Finnegan, L.L.P. whose address is: 345 Park Avenue, New York, New York, 10154; and Michael S. Marcus (Reg. No. 31,727), and John E. Hoel (Reg. No. 26,279), of Morgan & Finnegan, L.L.P., whose address is 1775 Eye Street, Suite 400, Washington, D.C. 20006.

- ☒ I hereby authorize the U. S. attorneys and/or agents named hereinabove to accept and follow instructions from Tavares & Companhia as to any action to be taken in the U.S. Patent and Trademark Office regarding this application without direct communication between the U.S. attorneys and/or agents and me. In the event of a change in the person(s) from whom instructions may be taken I will so notify the U. S. attorneys and/or agents named hereinabove.

Full name of sole or first inventor:	<u>Fernando Alberto Grazziotin</u>	
Inventor's signature*	<u><i>Fernando Grazziotin</i></u>	Date
Residence:	Rua Francisco Alves, 396 Vila Rodrigues, <u>Passo Fundo-Rio</u> Grande do Sul, Brasil <u>BRX</u>	
Citizenship:	<u>Brazilian</u>	
Post Office Address:	Same as above	
Full name of second inventor:	<u>Ricardo Moacyr Grazziotin</u>	
Inventor's signature*	<u><i>Ricardo Grazziotin</i></u>	Date
Residence:	Rua Paissandu, 1411/401, Centro, <u>Passo Fundo-Rio</u> , Grande do Sul, Brasil <u>BRX</u>	

Citizenship:

Post Office Address: Same as above

☐ ATTACHED IS ADDED PAGE TO COMBINED DECLARATION AND POWER OF

\*Before signing this declaration, each person signing must:

1. Review the declaration and verify the correctness of all information therein; and
2. Review the specification and the claims, including any amendments made to the claims.

After the declaration is signed, the specification and claims are not to be altered.

To the inventor(s):

The following are cited in or pertinent to the declaration attached to the accompanying application:

Title 37, Code of Federal Regulation, §1.56

Duty to disclose information material to patentability

- (a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is cancelled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is cancelled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§ 1.97(b)-(d) patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§ 1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:
  - (1) prior art cited in search reports of a foreign patent office in a counterpart application, and
  - (2) the closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.
- (b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and
  - (1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or



- (2) It refutes, or is inconsistent with, a position the applicant takes in:
- (i) Opposing an argument of unpatentability relied on by the Office, or
  - (ii) Asserting an argument of patentability. A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.
- (c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:
- (1) Each inventor named in the application;
  - (2) Each attorney or agent who prepares or prosecutes the application; and
  - (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.
- (d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.
- (e) In any continuation-in-part application, the duty under this section includes the duty to disclose to the Office all information known to the person to be material to patentability, as defined in paragraph (b) of this section, which became available between the filing date of the prior application and the National or PCT international filing date of the continuation-in-part application.

## Title 35, U.S. Code § 101

### Inventions patentable

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

## Title 35 U.S. Code § 102

### Conditions for patentability; novelty and loss of right to patent

A person shall be entitled to a patent unless --

- (a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for patent,
- (b) the invention was patented or described in a printed publication in this or foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States, or
- (c) he has abandoned the invention, or

- (d) the invention was first patented or caused to be patented, or was the subject of an inventor's certificate, by the applicant or his legal representatives or assigns in a foreign country prior to the date of the application for patent in this country on an application for patent or inventor's certificate filed more than twelve months before the filing of the application in the United States, or
- (e) The invention was described in--
  - (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effect under this subsection of a national application published under section 122(b) only if the international application designating the United States was published under Article 21(2)(a) of such treaty in the English language; or
  - (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that a patent shall not be deemed filed in the United States for the purposes of this subsection based on the filing of an international application filed under the treaty defined in section 351(a); or
- (f) he did not himself invent the subject matter sought to be patented, or
- (g) (1) during the course of an interference conducted under section 135 or section 291, another inventor involved therein establishes, to the extent permitted in section 104, that before such person's invention thereof the invention was made by such other inventor and not abandoned, suppressed, or concealed, or (2) before such person's invention thereof, the invention was made in this country by another inventor who had not abandoned, suppressed, or concealed it. In determining priority of invention under this subsection, there shall be considered not only the respective dates of conception and reduction to practice of the invention, but also the reasonable diligence of one who was first to conceive and last to reduce to practice, from a time prior to conception by the other.

Title 35, U.S. Code § 103

103. Conditions for patentability; non-obvious subject matter

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.
- (b) (1) Notwithstanding subsection (a), and upon timely election by the applicant for patent to proceed under this subsection, a biotechnological process using or resulting in a composition of matter that is novel under section 102 and nonobvious under subsection (a) of this section shall be considered nonobvious if—
  - (A) claims to the process and the composition of matter are contained in either the same application for patent or in separate applications having the same effective filing date; and
  - (B) the composition of matter, and the process at the time it was invented, were owned by the same person or subject to an obligation of assignment to the same person.
- (2) A patent issued on a process under paragraph (1)—



date of filing the application, at such time during the pendency of the application as required by the Director.

- (2) The Director may consider the failure of the applicant to file a timely claim for priority as a waiver of any such claim. The Director may establish procedures, including the payment of a surcharge, to accept an unintentionally delayed claim under this section.
- (3) The Director may require a certified copy of the original foreign application, specification, and drawings upon which it is based, a translation if not in the English language, and such other information as the Director considers necessary. Any such certification shall be made by the foreign intellectual property authority in which the foreign application was filed and show the date of the application and of the filing of the specification and other papers.
- (c) In like manner and subject to the same conditions and requirements, the right provided in this section may be based upon a subsequent regularly filed application in the same foreign country instead of the first filed foreign application, provided that any foreign application filed prior to such subsequent application has been withdrawn, abandoned, or otherwise disposed of, without having been laid open to public inspection and without leaving any rights outstanding, and has not served, nor thereafter shall serve, as a basis for claiming a right of priority.
- (d) Applications for inventors' certificates filed in a foreign country in which applicants have a right to apply, at their discretion, either for a patent or for an inventor's certificate shall be treated in this country in the same manner and have the same effect for purpose of the right of priority under this section as applications for patents, subject to the same conditions and requirements of this section as apply to applications for patents, provided such applicants are entitled to the benefits of the Stockholm Revision of the Paris Convention at the time of such filing.
- (e)
  - (1) An application for patent filed under section 111(a) or section 363 of this title for an invention disclosed in the manner provided by the first paragraph of section 112 of this title in a provisional application filed under section 111(b) of this title, by an inventor or inventors named in the provisional application, shall have the same effect, as to such invention, as though filed on the date of the provisional application filed under section 111(b) of this title, if the application for patent filed under section 111(a) or section 363 of this title is filed not later than 12 months after the date on which the provisional application was filed and if it contains or is amended to contain a specific reference to the provisional application. No application shall be entitled to the benefit of an earlier filed provisional application under this subsection unless an amendment containing the specific reference to the earlier filed provisional application is submitted at such time during the pendency of the application as required by the Director. The Director may consider the failure to submit such an amendment within that time period as a waiver of any benefit under this subsection. The Director may establish procedures, including the payment of a surcharge, to accept an unintentionally delayed submission of an amendment under this subsection during the pendency of the application.
  - (2) A provisional application filed under section 111(b) of this title may not be relied upon in any proceeding in the Patent and Trademark Office unless the fee set forth in subparagraph (A) or (C) of section 41(a)(1) of this title has been paid.
  - (3) If the day that is 12 months after the filing date of a provisional application falls on a Saturday, Sunday, or Federal holiday within the District of Columbia, the period of pendency of the provisional application shall be extended to the next succeeding secular or business day.
- (f) Applications for plant breeder's rights filed in a WTO member country (or in a foreign UPOV Contracting Party) shall have the same effect for the purpose of the right of priority under subsections (a) through (c) of this section as applications for patents, subject to the same conditions and requirements of this section as apply to applications for patents.
- (g) As used in this section--
  - (1) the term "WTO member country" has the same meaning as the term is defined in section 104(b)(2)

of this title; and

- (2) the term "UPOV Contracting Party" means a member of the International Convention for the Protection of New Varieties of Plants.

Title 35, U.S. Code, § 120

Benefit or earlier filing date in the United States

An application for patent for an invention disclosed in the manner provided by the first paragraph of section 112 of this title in an application previously filed in the United States, or as provided by section 363 of this title, which is filed by an inventor or inventors named in the previously filed application shall have the same effect, as to such invention, as though filed on the date of the prior application, if filed before the patenting or abandonment of or termination of proceedings on the first application or on an application similarly entitled to the benefit of the filing date of the first application and if it contains or is amended to contain a specific reference to the earlier filed application. ***No application shall be entitled to the benefit of an earlier filed application under this section unless an amendment containing the specific reference to the earlier filed application is submitted at such time during the pendency of the application as required by the Director. The Director may consider the failure to submit such an amendment within that time period as a waiver of any benefit under this section. The Director may establish procedures, including the payment of a surcharge, to accept an unintentionally delayed submission of an amendment under this section.***

Please read carefully before signing the Declaration attached to the accompanying Application. If you have any questions, please contact Morgan & Finnegan, L.L.P.